**Unit 4 Geometry Project**

**Chapter 5&6**

**Due January 10th**

**Choose 1** of the following projects to complete. The project must be focused on the material that was learned during Chapters 5 and 6. The project must show a minimum of an hour worth of work. The project must be your best work. Make certain it is accurate, detailed, and well done!

1. Similarity Drawing: Create a piece of art that has at least 6 different pairs of similar shapes. Make certain that the objects are drawn to scale and are accurate. Include a key that give the scale factor between each of the 4 pairs of similar shapes. This may be done on a regular 8 ½ by an 11 sheet of paper, but you must use a ruler, color it in and **be a piece of art**.
2. Angle Art: Create a piece of art that has at least **2** examples of **6** of the 8 following types of angles: **acute, right, obtuse, straight, complementary, supplementary, vertical, and adjacent**. Make certain that the angles are drawn with a ruler and accurate. Include a key that explains or use a code to describe where the 6 different pairs of angles are in the art. This may be done on a regular 8 ½ by an 11 sheet of paper, but you must use a ruler, color it in and **be a piece of art.**
3. Information Posters: Create a poster (just use an 8½ by 11 sheet of paper) that clearly explains one of the concepts that we have learned during Chapter 5 (your choices are: similarity, scale drawings, angles, or triangles. You must use **real world examples** as well as drawings you create. Feel free to use your textbook, notes, and the Internet, but use your own words. The poster must include a title, a picture, a detailed description, and be colored in. It should be accurate, easy to understand, and show your best work!
4. Information Posters: Create a poster (just use an 8½ by 11 sheet of paper) that clearly explains the Pythagorean Theorem, one of the concepts that we have learned during Chapter 6. Be sure to give important historical facts, detailed graphical representations, and **real world examples** to help explain its use in math and the real world. Feel free to use your textbook, notes, and the Internet, but use your own words. The poster must include a title, a picture, a detailed description, and be colored in. It should be accurate, easy to understand, and show your best work!

You must also fill in the reflection form when you submit the project.

Please do your best work!

See attached rubric and reflection form.

**BE CAREFUL!**

**THIS UNIT PROJECT ASSESSES COMMUNICATION, KNOWLEDGE, PATTERNS, and REFLECTION.**

**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_**

**Reflection for Chapter 5 Project**

1. **Explain (in detail) the process that you went through to accurately create this project, while meeting all of the requirements.**
2. **What did you learn from creating this project? Be specific and detailed!**
3. **If you were to do this project again what would you do the same or different. Give a detailed answer.**